PACIFIC COAST STATES FISHERIES—1949

Department of the Interior
Washington 25, D.C.

Fish and Wildlife Service
Branch of Commercial Fisheries

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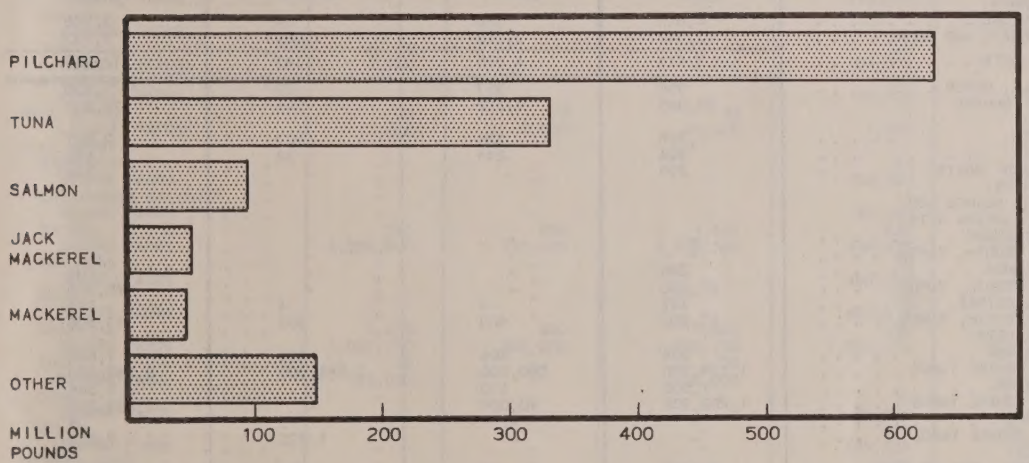
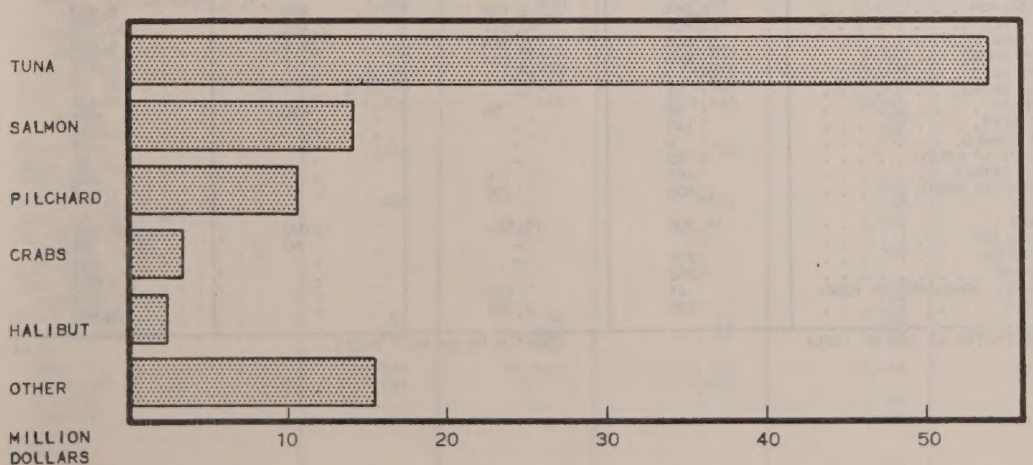
ANNUAL SUMMARY

PACIFIC COAST STATES CATCH, 1949



VALUE OF PACIFIC COAST STATES CATCH, 1949



DURING 1949, THE PRODUCTION OF FISH AND SHELLFISH IN THE PACIFIC COAST STATES (WASHINGTON, OREGON, AND CALIFORNIA) TOTALED 1,364,518,500 POUNDS, VALUED AT $100,373,114 TO THE FISHERMEN. THIS REPRESENTS AN INCREASE OF 20 PERCENT IN VOLUME, BUT A DECREASE OF 12 PERCENT IN VALUE COMPARED WITH THE LANDINGS OF THE PREVIOUS YEAR.

PILCHARD LANDINGS DURING 1949 RECORDED A GAIN OF 260,381,500 POUNDS COMPARED WITH THE 1948 CATCH OF THIS SPECIES. TUNA (332,068,900 POUNDS) REGISTERED A GAIN OF 7,063,300 POUNDS, AND SALMON (95,858,600 POUNDS) SHOWED AN INCREASE OF 30,478,300 POUNDS COMPARED WITH THE CATCH MADE DURING THE PREVIOUS YEAR.

PACIFIC COAST STATES FISHERIES

SUMMARY OF CATCH, 1949

PRODUCT	WASHINGTON		OREGON	
	POUNDS	VALUE	POUNDS	VALUE
FISH	152,372,100	$17,114,920	51,093,900	$6,076,768
SHELLFISH, ETC	21,788,700	3,688,028	10,002,500	988,679
TOTAL	174,160,800	20,802,948	61,096,400	7,065,447

PRODUCT	CALIFORNIA		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE
FISH	1,108,012,700	$70,183,149	1,311,478,700	$93,374,837
SHELLFISH, ETC.	20,458,500	2,253,595	52,249,700	6,930,302
WHALE PRODUCTS	790,100	67,975	790,100	67,975
TOTAL	1,129,261,300	72,504,719	1,364,518,500	100,373,114

SUMMARY OF OPERATING UNITS, 1949

ITEM	WASHINGTON			
	PUGET SOUND DISTRICT	COASTAL DISTRICT	COLUMBIA RIVER DISTRICT	TOTAL
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	4,672	830	54	5,556
ON BOATS AND SHORE	2,742	3,566	1,089	7,397
TOTAL	7,414	4,396	1,143	12,953
VESSELS, MOTOR	956	337	27	1,320
NET TONNAGE	20,085	4,322	243	24,650
BOATS:				
MOTOR	1,266	558	707	2,531
OTHER	394	246	32	672
ACCESSORY BOATS	296	-	-	296
APPARATUS:				
PURSE SEINES AND LAMPARA NETS:				
PILCHARD	-	-	-	-
LENGTH, YARDS	-	-	-	-
SALMON	296	-	-	296
LENGTH, YARDS	185,000	-	-	185,000
HAUL SEINES	135	4	4	143
LENGTH, YARDS	12,800	400	400	13,600
GILL NETS:				
SALMON	696	504	490	1,690
SQUARE YARDS	1,134,750	560,500	1,568,000	3,263,250
SHARK	1,535	110	-	1,645
SQUARE YARDS	1,262,250	90,000	-	1,352,250
SMELT	-	-	5	5
SQUARE YARDS	-	-	1,875	1,875
LINES:				
TRAWL, SET OR HAND	31,618	40	273	31,931
HOOKS	639,652	800	27,300	667,752
TROLL:				
SALMON	3,564	2,138	490	6,192
HOOKS	17,820	10,512	2,450	30,782
TUNA	2/ 605	2/ 264	2/ 6	2/ 875
HOOKS	605	264	6	875
POUND NETS	3/ 7	-	-	3/ 7
BRUSH WEIRS	1	-	-	1
DIP NETS	38	54	400	492
REEF NETS	137	-	-	137
BEAM TRAWLS	6	-	-	6
YARDS AT MOUTH	55	-	-	55
OTTER TRAWLS	162	8	-	170
YARDS AT MOUTH	2,400	120	-	2,520
TRAPS:				
CRAB	18,300	19,550	1,100	38,950
CRAWFISH	-	-	60	60
OCTOPUS	350	-	-	350
SHRIMP	250	-	-	250
DREDGES, TONGS AND BY HAND	41	122	-	163
SHOVELS	375	2,750	-	3,125

SEE FOOTNOTES AT END OF TABLE

(CONTINUED ON NEXT PAGE)

SUMMARY OF OPERATING UNITS, 1949 - Continued

ITEM	OREGON			CALIFORNIA	GRAND TOTAL (EXCLUSIVE OF DUPLICATION)
	COLUMBIA RIVER DISTRICT	COASTAL DISTRICT	TOTAL	TOTAL	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	1,409	459	1,868	10,401	15,579
ON BOATS AND SHORE	1,730	1,689	3,419	5,399	16,215
TOTAL	3,139	2,148	5,287	15,800	31,794
VESSELS, MOTOR	414	187	601	1,893	3,232
NET TONNAGE	8,658	2,368	11,026	61,428	84,178
BOATS:					
MOTOR	829	782	1,611	2,940	7,082
OTHER	72	68	140	12	824
ACCESSORY BOATS	2	-	2	895	1,193
APPARATUS:					
PURSE SEINES AND LAMPARA NETS:					
PILCHARD	-	-	-	311	311
LENGTH, YARDS	-	-	-	147,275	147,275
SALMON	-	-	-	-	296
LENGTH, YARDS	-	-	-	-	185,000
TUNA	1/ 2	-	1/ 2	149	151
LENGTH, YARDS	1,300	-	1,300	100,575	101,875
OTHER	-	-	-	126	126
LENGTH, YARDS	-	-	-	32,723	32,723
HAUL SEINES	23	12	35	9	187
LENGTH, YARDS	13,800	2,000	15,800	1,350	30,750
GILL NETS:					
BARRACUDA	-	-	-	34	34
SQUARE YARDS	-	-	-	264,350	264,350
"CALIFORNIA HALIBUT"	-	-	-	13	13
SQUARE YARDS	-	-	-	48,750	48,750
SALMON	781	856	1,637	229	3,556
SQUARE YARDS	2,055,500	715,000	2,770,500	978,975	7,012,725
SEA BASS	-	-	-	78	78
SQUARE YARDS	-	-	-	463,398	463,398
SHAD	-	-	-	106	106
SQUARE YARDS	-	-	-	493,218	493,218
SHARK	1,215	390	1,605	132	2,840
SQUARE YARDS	1,037,150	342,000	1,379,150	1,083,179	3,241,929
SMELT	70	-	70	-	75
SQUARE YARDS	26,000	-	26,000	-	27,875
CRAB	-	-	-	10	10
SQUARE YARDS	-	-	-	28,880	28,880
OTHER	-	-	-	133	133
SQUARE YARDS	-	-	-	137,522	137,522
TRAMMEL NETS	-	-	-	54	54
SQUARE YARDS	-	-	-	313,470	313,470
LINES:					
TRAWL, SET OR HAND	1,287	350	1,637	11,014	43,732
HOOKS	28,700	7,000	35,700	421,094	1,102,746
TROLL:					
SALMON	1,454	1,812	3,266	5,608	14,209
HOOKS	6,760	8,150	14,910	25,628	67,288
TUNA	2/1,298	2/245	2/1,543	2/15,998	16,174
HOOKS	1,298	245	1,543	15,998	16,174
OTHER	-	-	-	722	722
HOOKS	-	-	-	722	722
POUND NETS	3/35	-	3/35	-	42
BRUSH WEIRS	-	-	-	-	1
FYKE NETS	-	-	-	1,600	1,600
DIP NETS	487	-	487	66	1,045
BRAIL OR SCOOP NETS	-	-	-	1,454	1,454
BAG NETS, SHRIMP	-	-	-	1	1
LENGTH, YARDS	-	-	-	720	720
REEF NETS	-	-	-	-	137
BEAM TRAWLS	-	-	-	19	25
YARDS AT MOUTH	-	-	-	127	182
OTTER TRAWLS	64	19	83	96	326
YARDS AT MOUTH	960	285	1,245	1,398	4,818
TRAPS:					
CRAB	8,700	16,400	25,100	15,418	77,743
CRAWFISH	1,100	-	1,100	-	1,160
OCTOPUS	-	-	-	25	375
LOBSTER	-	-	-	6,348	6,348
SHRIMP	-	-	-	-	250
HARPOONS:					
SWORDFISH	-	-	-	118	118
WHALE	-	-	-	2	2

SEE FOOTNOTES AT END OF TABLE

(CONTINUED ON NEXT PAGE)

SUMMARY OF OPERATING UNITS, 1949 - Continued

ITEM	OREGON			CALIFORNIA	GRAND TOTAL (EXCLUSIVE OF DUPLICATION)
	COLUMBIA RIVER DISTRIC	COASTAL DISTRICT	TOTAL	TOTAL	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
APPARATUS - CONTINUED:					
RAKES:					
OYSTERS	-	-	-	8	8
MUSSELS	-	-	-	12	12
DREDGES, TONGS AND BY HAND	-	26	26	23	212
SHOVELS	-	744	744	93	3,962

1/ USED ONLY IN THE TUNA FISHERY OFF CENTRAL AMERICA.
2/ USED ONLY BY VESSELS THAT TROLLED OR FISHED EXCLUSIVELY FOR TUNA AND DID NOT TROLL FOR SALMON. DOES NOT INCLUDE TUNA GEAR USED BY VESSELS THAT ALSO TROLLED FOR SALMON.
3/ FISHED ONLY ON INDIAN RESERVATIONS.

NOTE:--STATISTICS ON THE OPERATION OF VESSELS ARE FOR CRAFT MAKING THEIR HOME PORT IN ONE OF THE DISTRICTS OF WASHINGTON, OREGON, OR CALIFORNIA. VESSELS AS WELL AS ALL TYPES OF GEAR OPERATED, HAVE BEEN INCLUDED IN THE DISTRICTS IN WHICH EACH VESSEL OPERATED, EXCEPT THAT VESSELS OPERATING IN ALASKA ARE NOT INCLUDED ABOVE. THE TOTAL EXCLUSIVE OF DUPLICATION REPRESENTS THE TOTAL OPERATING UNITS IN THE PACIFIC COAST STATES, EXCLUSIVE OF THOSE IN ALASKA.

CATCH BY STATES, 1949

SPECIES	WASHINGTON		OREGON 1/	
FISH	POUNDS	VALUE	POUNDS	VALUE
ANCHOVIES	402,000	$6,100	-	-
CARP	-	-	600	$17
COD	6,245,300	231,078	5,400	188
FLOUNDERS:				
"SOLE"	9,822,800	594,776	9,261,900	462,397
OTHER	564,900	22,465	392,700	9,541
GRAYFISH	10,645,200	450,621	3,422,700	288,271
HAKE	64,200	239	77,400	471
HALIBUT	13,465,500	2,423,598	609,600	99,048
HERRING, SEA	839,800	41,987	69,400	2,776
LAMPREY	-	-	369,900	9,248
LINGCOD	5,416,600	512,917	938,900	98,427
PERCH	150,600	17,289	7,700	769
PILCHARD	56,400	3,104	9,000	234
RATFISH	1,471,600	13,344	-	-
ROCKFISHES	13,246,000	591,538	4,774,000	174,625
SABLEFISH	3,784,300	377,148	554,500	44,455
SALMON:				
CHINOOK OR KING	9,589,200	2,107,488	9,493,400	1,668,880
CHUM OR KETA	5,212,800	656,098	726,800	58,145
PINK	44,214,800	4,421,459	-	-
RED OR SOCKEYE	7,045,600	1,500,464	12,800	2,571
SILVER OR COHO	10,529,000	1,764,763	2,604,500	343,918
TOTAL SALMON	76,591,400	10,450,272	12,837,500	2,073,514
SHAD	71,900	4,837	1,392,000	94,294
SHARKS	617,200	309,553	551,000	300,439
SKATES	1,005,000	14,969	-	-
SMELT:				
EULACHON	2,444,600	136,399	833,900	65,244
SURF OR SILVER	651,700	65,168	-	-
STEELHEAD TROUT	198,300	27,320	852,100	119,331
STRIPED BASS	-	-	24,800	1,786
STURGEON	182,900	30,817	269,000	50,456
TUNA AND TUNALIKE FISHES:				
ALBACORE	4,433,900	789,381	6,327,000	1,104,142
SKIPJACK OR STRIPED	-	-	1,941,800	269,227
YELLOWFIN	-	-	5,571,100	807,868
TOTAL TUNA	4,433,900	789,381	13,839,900	2,181,237
TOTAL	152,372,100	17,114,920	51,093,900	6,076,768

(CONTINUED ON NEXT PAGE)

CATCH BY STATES, 1949 - Continued

SPECIES	WASHINGTON - CONT'D.		OREGON 1/ - CONT'D.	
SHELLFISH	POUNDS	VALUE	POUNDS	VALUE
CRABS, DUNGENESS	13,142,500	$1,331,859	9,346,500	$836,325
CRAWFISH, FRESH-WATER	600	121	45,400	9,847
SHRIMP	67,100	16,774	-	-
CLAMS:				
HARD	373,800	114,156	-	-
RAZOR	302,700	193,121	77,200	48,922
MIXED	-	-	32,300	7,681
TOTAL CLAMS	676,500	307,277	109,500	56,603
OCTOPUS	47,300	2,362	-	-
OYSTERS, MARKET:				
PACIFIC	7,634,600	1,741,207	501,100	85,904
WESTERN OR NATIVE	203,000	278,400	-	-
TOTAL OYSTERS	7,837,600	2,019,607	501,100	85,904
SCALLOPS, BAY	16,500	9,986	-	-
SQUID	600	42	-	-
TOTAL	21,788,700	3,688,028	10,002,500	988,679
GRAND TOTAL	174,160,800	20,802,948	61,096,400	7,065,447

SPECIES	CALIFORNIA 1/		TOTAL	
FISH - CONTINUED	POUNDS	VALUE	POUNDS	VALUE
ANCHOVIES	3,322,300	$56,104	3,724,300	$62,204
BARRACUDA	2,457,700	365,594	2,457,700	365,594
CABEZONE	16,000	530	16,000	530
CABRILLA	210,100	27,792	210,100	27,792
CARP	405,500	12,946	406,100	12,963
CATFISH	201,700	38,566	201,700	38,566
COD	-	-	6,250,700	231,266
FLOUNDERS:				
"CALIFORNIA HALIBUT"	1,256,400	236,997	1,256,400	236,997
"SOLE"	19,692,800	917,769	38,777,500	1,974,942
OTHER	1,173,900	58,229	2,131,500	90,235
FLYINGFISH	34,300	2,652	34,300	2,652
GRAYFISH	(2)	(2)	14,067,900	738,892
GROUPERS	290,600	49,282	290,600	49,282
HAKE	-	-	141,600	710
HALIBUT	167,300	33,457	14,242,400	2,556,103
HARDHEAD	17,400	4,904	17,400	4,904
HERRING, SEA	379,300	7,210	1,288,500	51,973
JACK MACKEREL	51,250,100	1,111,123	51,250,100	1,111,123
KINGFISH	764,400	40,125	764,400	40,125
LAMPREY	-	-	369,900	9,248
LINGCOD	1,654,000	125,448	8,009,500	736,792
MACKEREL	49,771,300	1,285,892	49,771,300	1,285,892
MULLET	72,000	5,410	72,000	5,410
PERCH	326,600	48,558	484,900	66,616
PILCHARD	633,475,000	10,756,897	633,540,400	10,760,235
POMPANO	89,300	25,899	89,300	25,899
RATFISH	-	-	1,471,600	13,344
ROCK BASS	192,300	25,790	192,300	25,790
ROCKFISHES	5,937,600	331,101	23,957,600	1,097,264
SABLEFISH	1,737,400	131,747	6,076,200	553,350
SALMON:				
CHINOOK OR KING	6,429,700	1,509,303	25,512,300	5,285,671
CHUM OR KETA	-	-	5,939,600	714,243
PINK	-	-	44,214,800	4,421,459
RED OR SOCKEYE	-	-	7,058,400	1,503,035
SILVER OR COHO	-	-	13,133,500	2,108,681
TOTAL SALMON	6,429,700	1,509,303	95,858,600	14,033,089
SCULPIN	148,400	26,930	148,400	26,930
SEA BASS:				
BLACK	114,400	16,160	114,400	16,160
WHITE	1,409,600	290,864	1,409,600	290,864
SHAD	735,800	46,983	2,199,700	146,114
SHARKS	2/ 1,551,000	2/ 833,347	2,719,200	1,443,339
SHEEPSHEAD	61,600	4,389	61,600	4,389
SKATES	123,400	2,953	1,128,400	17,922
SMELT:				
EULACHON	-	-	3,278,500	201,643
SURF OR SILVER	712,000	51,681	1,363,700	116,849
SPANISH MACKEREL	3,700	308	3,700	308
STEELHEAD TROUT	-	-	1,050,400	146,651
STRIPED BASS	-	-	24,800	1,786
STURGEON	-	-	451,900	81,273
SWORDFISH	198,400	87,506	198,400	87,506

SEE FOOTNOTES AT END OF TABLE

(CONTINUED ON NEXT PAGE)

CATCH BY STATES, 1949 - Continued

SPECIES	CALIFORNIA 1/ - CONT'D.		TOTAL	
FISH - CONTINUED	POUNDS	VALUE	POUNDS	VALUE
TUNA AND TUNALIKE FISHES:				
ALBACORE	44,033,500	$8,144,993	54,794,400	$10,038,516
BLUEFIN	4,389,400	712,702	4,389,400	712,702
BONITO	1,829,500	178,181	1,829,500	178,181
SKIPJACK OR STRIPED	78,570,400	11,653,994	80,512,200	11,923,221
YELLOWFIN	184,972,300	30,191,412	190,543,400	30,999,280
TOTAL TUNA	313,795,100	50,881,282	332,068,900	53,851,900
WHITEBAIT	241,800	23,690	241,800	23,690
WHITEFISH	31,200	2,523	31,200	2,523
YELLOWTAIL	7,319,500	686,000	7,319,500	686,000
UNCLASSIFIED	241,800	19,208	241,800	19,208
TOTAL	1,108,012,700	70,183,149	1,311,478,700	93,374,837
SHELLFISH				
CRABS:				
DUNGENESS	3/ 11,116,300	3/ 1,294,239	33,605,300	3,462,423
ROCK	3/ 600	3/ 117	600	117
CRAWFISH, FRESH-WATER	-	-	46,000	9,968
LOBSTERS, SPINY	834,300	283,325	834,300	283,325
SHRIMP	804,400	49,127	871,500	65,901
ABALONE	713,600	398,259	713,600	398,259
CLAMS:				
HARD	4/ 20,400	4/ 11,984	394,200	126,140
RAZOR	-	-	379,900	242,043
MIXED	-	-	32,300	7,681
TOTAL CLAMS	20,400	11,984	806,400	375,864
OCTOPUS	75,100	5,973	122,400	8,335
OYSTERS, MARKET:				
EASTERN	6,500	4,654	6,500	4,654
PACIFIC	28,200	21,744	8,163,900	1,848,855
WESTERN OR NATIVE	-	-	203,000	278,400
TOTAL OYSTERS	34,700	26,398	8,373,400	2,131,909
SCALLOPS, BAY	-	-	16,500	9,986
SQUID	6,859,100	184,173	6,859,700	184,215
TOTAL	20,458,500	2,253,595	52,249,700	6,930,302
WHALE PRODUCTS				
LIVER	28,000	8,000	28,000	8,000
MEAL:				
BONE	100,000	2,500	100,000	2,500
MEAT	100,000	5,000	100,000	5,000
OIL:				
WHALE	209,600	13,975	209,600	13,975
SPERM	352,500	38,500	352,500	38,500
TOTAL	790,100	67,975	790,100	67,975
GRAND TOTAL	1,129,261,300	72,504,719	1,364,518,500	100,373,114

1/ INCLUDES THE CATCH TAKEN OFF LATIN AMERICA.
2/ CATCH OF GRAYFISH IN CALIFORNIA IS INCLUDED WITH SHARKS.
3/ ROCK CRABS IN SAN PEDRO DISTRICT ARE INCLUDED WITH DUNGENESS CRABS.
4/ INCLUDES A SMALL QUANTITY OF MUSSELS.

NOTE:--PRIOR TO 1941, THE POUNDAGE OF HALIBUT, SABLEFISH, LINGCOD, AND ROCKFISHES REPORTED FOR WASHINGTON AND OREGON REPRESENTED THE DRESSED WEIGHT OF THE FISH LANDED. BEGINNING WITH THE DATA FOR 1941, ALL CATCH STATISTICS ARE SHOWN IN ROUND WEIGHTS. THE LANDED WEIGHT OF LINGCOD, SABLEFISH, AND ROCKFISHES (EXCEPT IN THE OTTER TRAWL FISHERIES IN WHICH THE FISH ARE LANDED ROUND) WAS CONVERTED TO ROUND WEIGHT BY MULTIPLYING THE DRESSED WEIGHT BY THE FACTOR 1.43. THE FACTOR USED TO CONVERT HALIBUT FROM MARKETED WEIGHT WAS 1.33. THE POUNDAGE AND VALUE OF THE CATCH SHOWN FOR WASHINGTON AND OREGON INCLUDE 3,053,827 POUNDS OF FISH LIVERS AND VISCERA, VALUED AT $2,064,806 TO THE FISHERMEN. COMPRISING THIS TOTAL WERE: COD LIVERS, 58,589 POUNDS, $3,808; GRAYFISH LIVERS, 1,688,158 POUNDS, $718,165; HAKE LIVERS, 4,466 POUNDS, $670; HALIBUT LIVERS, 188,354 POUNDS, $231,368; LINGCOD LIVERS, 115,009 POUNDS, $237,633; RATFISH LIVERS, 78,581 POUNDS, $3,929; ROCKFISH LIVERS, 11,997 POUNDS, $10,418; SABLEFISH LIVERS, 108,187 POUNDS, $124,337; SKATE LIVERS, 29,609 POUNDS, $2,962; SOUPFIN SHARK LIVERS, 133,191 POUNDS, $608,907; OTHER SHARK LIVERS, 6,996 POUNDS, $944; AND HALIBUT, LINGCOD, AND SABLEFISH VISCERA, 630,690 POUNDS, $121,665. SIMILAR DATA FOR CALIFORNIA ARE NOT AVAILABLE. MOST OF THE CARCASSES OF DOGFISH AND SOUPFIN SHARK WERE NOT LANDED, BUT WERE DISCARDED AT SEA AFTER REMOVAL OF THE LIVERS. A PORTION OF THE TUNA CATCH TAKEN OFF LATIN AMERICA BY UNITED STATES FISHERMEN, WHICH IS INCLUDED IN THIS TABLE, MAY ALSO BE INCLUDED IN U. S. IMPORT STATISTICS.

INT.-DUP. SEC., WASH., D.C. 5000